

Models DM2 and DM78A

Test Equipment Depot
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3½ Digit and 3¾ Digit Analog and Digital Display, Pocket Size, Low Cost DMMs

DM78A

- ◆ 3200 Count Resolution & Bargraph Display
- ◆ Auto-ranging
- ◆ Data Hold
- ◆ Diode Test and Continuity
- ◆ Auto-off
- ◆ UL1244/IEC1010-1 Approved
- ◆ Smallest, Credit Card Size

The DM78A is a pocket-size meter with all of the resolution and measuring functions of larger, more expensive meters. Its high, 3200-count digital display, analog bargraph, and data hold features maximize readability for the user. The DM78A measuring functions include DC volts, AC volts, resistance, diode test, and continuity check. This meter comes completely ready to use with test leads and probes attached, batteries installed, and in its own protective vinyl carrying case.



DM2

- ◆ 2000 Count Display
- ◆ Manual-Ranging
- ◆ DC Current to 200mA
- ◆ Diode Test
- ◆ Long Battery Life
- ◆ Plug-In Test Leads

The DM2 is a compact, digital multimeter in a popular manual-range, knob-selector style. The DM2 provides full-function measurement capability. It measures DC volts to 1000V, AC volts to 500V, resistance to 2MΩ, DC current to 200mA (fused), and

performs diode testing. Choose the DM2 when low price and compact meter size are important factors. Optional VC12 soft case.



DM2 & DM78A Specifications (at 23°C±5°C; <70% R.H.)

MODEL	DM2	DM78A
DC Voltage Ranges	200mV, 2V, 20V, 200V, 1000V	320mV, 3.2V, 32V, 320V, 450V
Accuracy	±0.8%rdg ±4 dgt	±2.0%rdg ±2dgt
3.2V Range	—	±1.0%rdg ±2dgt
Input Impedance	1MΩ	11MΩ
AC Voltage Ranges	200V, 500V	3.2V, 32V, 320V, 450V
Accuracy	±1.2%rdg ±10 dgt	±4.0%rdg ±5 dgt
Input Impedance	450KΩ	11MΩ
DC Current Ranges	200μA, 2mA, 20mA, 200mA	—
Accuracy	±1.2%rdg ±1 dgt	—
Resistance Ranges	200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ	320Ω, 3.2kΩ, 320kΩ, 3.2MΩ, 32MΩ
Accuracy	±1.2%rdg ±2 dgt	±2.0%rdg ±4 dgt (320Ω)
	±1.8%rdg ±4 dgt (200Ω)	±2.0%rdg ±2 dgt (3.2k - 320kΩ)
	—	±6.0%rdg ±2 dgt (3.2MΩ)
	—	±10.0%rdg ±2 dgt (32MΩ)
Diode Test	Yes (3.2 VDC/1mA)	Yes 0.6mA/0.6V
Continuity Test	—	Yes visual & tone <20Ω
Data Hold	—	Yes
Overload Protection Voltage	300VRMS / 500VDC (200mV) (15 sec)	450 VDC/AC RMS (1 min)
	600VRMS / 1300VDC (1 min)	—
Resistance	500VDC or AC RMS	250VDC/AC max (1 min.)
Current	0.5A/250V fast blow fuse	—
Display	2000 count LCD	3200 count & bargraph LCD
Battery Life	9V / 200 hours w/Alk.	(2) 1.5V, LR-44 / 70 hours; Auto-Off
Size	119mm x 69mm x 28mm (4.7" x 2.7" x 1.1")	112mm x 56mm x 11mm (4.25" x 2.1" x 0.4")
Weight	165g (5.5 oz)	99g (3.2 oz)
Includes	Test leads, Battery, Manual VC12 is optional soft case	Protective Case, Test Leads (attached), Batteries, Manual

GENERAL

Ranging: Automatic (DM78A), Manual (DM2); **Operating Principle:** Dual slope integration; **Sampling Rate:** 2/sec bargraph 20/sec (DM78A); **Operating Temperature:** 0°C to 40°C (32°F to 104°F); **Storage Temperature:** -20°C to 60°C (-4°F to 140°F); **Agency Approvals:** IEC1010-1, CAT II; UL1244 (DM78A); **CC Warranty:** One year